

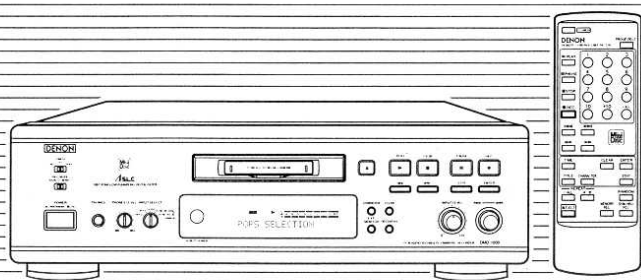
# DENON

MINIDISC RECORDER

## DMD-1000

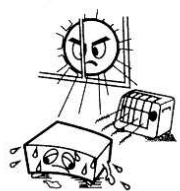
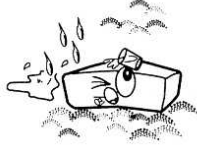






OPERATING INSTRUCTIONS  
BEDIENUNGSANLEITUNG

MODE D'EMPLOI  
GEBRUIKSAANWIJZING



FOR ENGLISH READERS	PAGE 4 ~ PAGE 25
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**NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION  
ALVORENS TE GEBRUIKEN**

 <ul style="list-style-type: none"> <li>• Avoid high temperatures. Allow for sufficient heat dispersion when installed on a rack.</li> <li>• Vermeiden Sie hohe Temperaturen. Beachten Sie, daß eine ausreichende Luftzirkulation gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird.</li> <li>• Eviter des températures élevées. Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.</li> <li>• Vermijd hoge temperaturen. Zorg voor een degelijke hitteafvoer indien het apparaat op een rek wordt geplaatst.</li> </ul>	 <ul style="list-style-type: none"> <li>• Keep the set free from moisture, water, and dust.</li> <li>• Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern.</li> <li>• Protéger l'appareil contre l'humidité, l'eau et la poussière.</li> <li>• Laat geen vochtigheid, water of stof in het apparaat binnendringen.</li> </ul>	 <ul style="list-style-type: none"> <li>• Do not let foreign objects in the set.</li> <li>• Keine fremden Gegenstände in das Gerät kommen lassen.</li> <li>• Ne pas laisser des objets étrangers dans l'appareil.</li> <li>• Laat geen vreemde voorwerpen in dit apparaat vallen.</li> </ul>
 <ul style="list-style-type: none"> <li>• Handle the power cord carefully. Hold the plug when unplugging the cord.</li> <li>• Gehen Sie vorsichtig mit dem Netzkabel um. Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen.</li> <li>• Manipuler le cordon d'alimentation avec précaution. Tenir la prise lors du débranchement du cordon.</li> <li>• Hanter het netsnoer voorzichtig. Houd het snoer bij de stekker vast wanneer deze moet worden aan- of losgekoppeld.</li> </ul>	 <ul style="list-style-type: none"> <li>• Unplug the power cord when not using the set for long periods of time.</li> <li>• Wenn das Gerät eine längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.</li> <li>• Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.</li> <li>• Neem altijd het netsnoer uit het stopcontact wanneer het apparaat gedurende een lange periode niet wordt gebruikt.</li> </ul>	 <ul style="list-style-type: none"> <li>• Do not let insecticides, benzene, and thinner come in contact with the set.</li> <li>• Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen.</li> <li>• Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.</li> <li>• Laat geen insectenveddelende middelen, benzine of verfverduinner met dit apparaat in contact komen.</li> </ul>
 <p>*(For sets with ventilation holes)</p> <ul style="list-style-type: none"> <li>• Do not obstruct the ventilation holes.</li> <li>• Die Belüftungsöffnungen dürfen nicht verdeckt werden.</li> <li>• Ne pas obstruer les trous d'aération.</li> <li>• De ventilatieopeningen mogen niet worden blokkeerd.</li> </ul>	 <ul style="list-style-type: none"> <li>• Never disassemble or modify the set in any way.</li> <li>• Versuchen Sie niemals das Gerät auseinander zu nehmen oder auf jegliche Art zu verändern.</li> <li>• Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.</li> <li>• Nooit dit apparaat demonteren of op andere wijze modificeren.</li> </ul>	

**DECLARATION OF CONFORMITY**

We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards: EN60065, EN55013, EN55020, EN60555-2 and EN60555-3. Following the provisions of 73/23/EEC, 89/336/EEC and 93/68/EEC Directive.

**ÜBEREINSTIMMUNGSERKLÄRUNG**

Wir erklären unter unserer Verantwortung, daß dieses Produkt, auf das sich diese Erklärung bezieht, den folgenden Standards entspricht: EN60065, EN55013, EN55020, EN60555-2 und EN60555-3. Entspricht den Verordnungen der Direktive 73/23/EEC, 89/336/EEC und 93/68/EEC.

**DECLARATION DE CONFORMITE**

Nous déclarons sous notre seule responsabilité que l'appareil, auquel se réfère cette déclaration, est conforme aux standards suivants: EN60065, EN55013, EN55020, EN60555-2 et EN60555-3. D'après les dispositions de la Directive 73/23/EEC, 89/336/EEC et 93/68/EEC.

**EENVORMIGHEIDSVKLAARING**

Wij verklaren uitsluitend op onze verantwoordelijkheid dat dit product, waarop deze verklaring betrekking heeft, in overeenstemming is met de volgende normen: EN60065, EN55013, EN55020, EN60555-2 en EN60555-3. Volgens de bepalingen van de Richtlijnen 73/23/EEC, 89/336/EEC en 93/68/EEC.

**CLASS 1 LASER PRODUCT  
LUOKAN 1 LASERLAITE  
KLASS 1 LASERAPPARAT**

**ADVARSEL:** USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGA UDSÆTTELSE FOR STRÅLING.

**VAROITUS!** LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

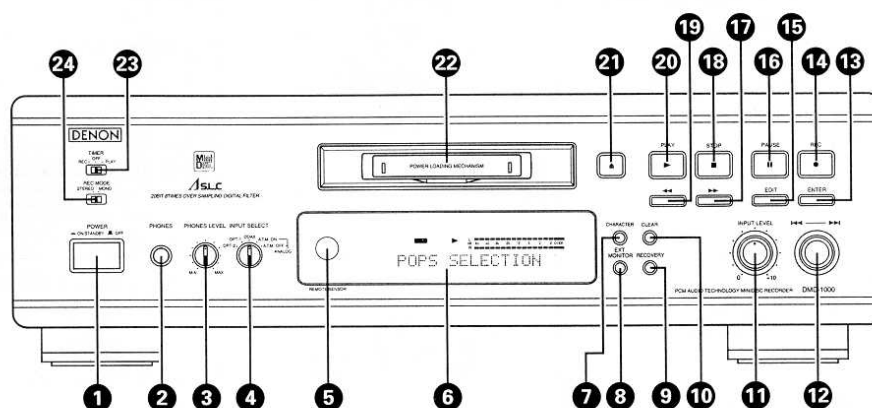
**VARNING-** OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERATS, KAN ANVÄNDAREN UTSÄTTS FÖR OSYNLIG LASERSTRÅLNING SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.

"CLASS 1  
LASER PRODUCT"

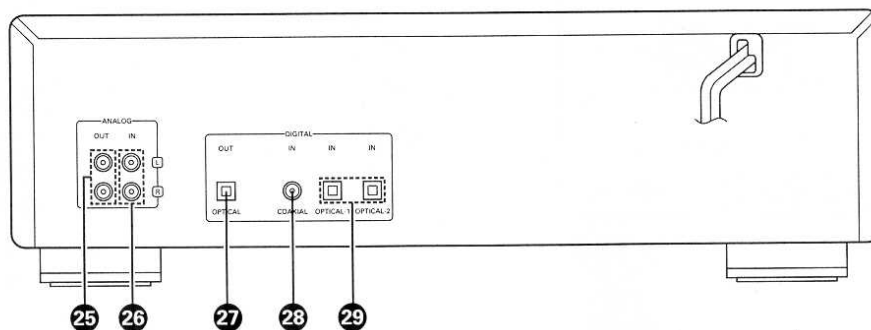


"SERIAL NO. \_\_\_\_\_  
PLEASE RECORD UNIT SERIAL NUMBER ATTACHED TO THE REAR OF THE  
CABINET FOR FUTURE REFERENCE"

FRONT PANEL  
FRONTPLATTE  
PANNEAU AVANT  
VOORPANEEL



REAR PANEL  
RÜCKWAND  
PANNEAU ARRIERE  
ACHTERPANEEL





# IMPORTANT TO SAFETY

## WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

## CAUTION:

### 1. Handle the power supply cord carefully

Do not damage or deform the power supply cord. If it is damaged or deformed, it may cause electric shock or malfunction when used. When removing from wall outlet, be sure to remove by holding the plug attachment and not by pulling the cord.

### 2. Do not open the top cover

In order to prevent electric shock, do not open the top cover. If problems occur, contact your DENON DEALER.

### 3. Do not place anything inside

Do not place metal objects or spill liquid inside the MiniDisc recorder. Electric shock or malfunction may result.

Please, record and retain the Model name and serial number of your set shown on the rating label.

Model No. DMD-1000 Serial No. \_\_\_\_\_

## NOTE:

This MiniDisc recorder uses the semiconductor laser. To allow you to enjoy music at a stable operation, it is recommended to use this in a room of 10°C (50°F) – 35°C (95°F).

### • Place of installation

To ensure sufficient ventilation, leave a space of at least 10 cm between the front, sides and back of the unit and walls or other objects which may obstruct ventilation.

## CAUTION:

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THE MINIDISC RECORDER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

Thank you for purchasing this DENON MiniDisc recorder. Please read the operating instructions thoroughly in order to acquaint yourself with the MiniDisc recorder and achieve maximum satisfaction from it.

Please check to make sure the following items are included with the main unit in the carton:

- |                                  |   |
|----------------------------------|---|
| (1) Operating Instructions       | 1 |
| (2) Connection Cord              | 2 |
| (3) Optical Fiber Cord           | 1 |
| (4) Remote Control Unit (RC-270) | 1 |
| (5) R6P (AA) Dry Cell Battery    | 2 |
| (6) Service Station List         | 1 |

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## 1 FEATURES

The DMD-1000 is an audio device using the MiniDisc format. Recording is possible for up to 74 minutes at stereo recording. Operation is the same as with regular compact discs (CDs).

### 1. Clear sound quality

Digital recording provides clear playback sound. Also, a "λSAC" (Lambda Super Linear Converter) is used for playback, increasing musical expression particularly when the volume is low.

### 2. Abundant playback functions

Programmed playback, random playback, all track repeat, single track repeat, A-B repeat etc.

### 3. Numerous editing functions

Editing functions for dividing, combining and moving tracks make it possible to freely manipulate recorded discs, and disc and track titles can be added. These functions make it easy to create original discs.

### 4. Sampling rate converter

Sources with different sampling frequencies, such as DATs and satellite broadcasts (32 kHz and 48 kHz), can be recorded digitally.

### 5. Timer recording and playback

A timer (not included) can be used for timer recording and playback.

## 2 CAUTIONS ON HANDLING

### Installation

Do not place a TV set (even a small one) or other object on top of the DMD-1000.

### When receiving FM, AM and TV broadcasts

If the DMD-1000's power is turned on while receiving FM, AM or TV broadcasts, there may be noise in the sound or stripes on the TV picture. Keep the DMD-1000's power turned off when not using it. The DMD-1000 uses digital technology, if an FM tuner is placed nearby, it may cause adverse effects, such as noise in the tuner's antenna cable, etc. Be sure to use coaxial cables to connect the antenna and the tuner's antenna terminal.

### When not using the DMD-1000

#### ■ Under normal circumstances

- Always remove the disc and turn the power off.
- When leaving home for long periods of times such as for trips, be sure to unplug the power cord.

#### ■ When moving the DMD-1000

- Do not subject the DMD-1000 to shocks.
- Always check that the disc has been removed and the connection cords disconnected before moving the DMD-1000.



## 3 ABOUT MINIDISCS

MiniDiscs allow a maximum of 74 minutes at stereo mode of recording and playback in a compact size.

There are two types of MiniDiscs: those for playback only, and those for recording and playback.

- Only MiniDiscs with the mark shown at the right can be played and recorded on this set.



### Playback only MiniDiscs

- These discs are for playback only. Commercially available music MDs are of this type.
- These are laser discs, like regular compact discs.
- Tracks on such discs cannot be edited.



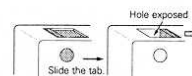
### Recordable MiniDiscs

- These are magneto-optical discs on which both recording and playback are possible. Recording is performed through magnetic modulation.
- Re-recording is also possible.

### Accidental erasure prevention tabs

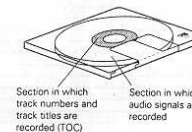
These tabs protect recordable MiniDiscs from accidental erasure.

To avoid accidentally erasing the recording, open the tab so that the hole is exposed. (See the diagram below.) When this is done, "Protected" is displayed if you attempt to record, erase or otherwise edit the disc, and the recording is protected. To record or erase the disc, set the tab back to its original position (with the hole covered).



### Recording on discs

MiniDiscs include a section in which the audio signals are recorded and a section in which such data as track numbers and track titles are recorded.



### ■ The TOC

With MiniDiscs, after the audio signals are recorded, data used for checking the tracks (TOC — Table of Contents) is also recorded on the disc. This TOC data is used when playing the disc. In addition, editing is performed by rewriting the TOC data.

The TOC is written on the disc when the eject button is pressed to eject the disc and when the power button on the remote control unit is pressed to set the power to the standby mode.

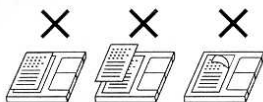
When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's power button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.

# ■ Handling MiniDiscs

MiniDiscs are housed in cartridges, so there is no need to worry about dirt and scratches. However, dirty or warped cartridges may cause malfunction. Be careful of the following to ensure long-lasting, high quality sound:

- Do not touch the disc surface directly.
- Do not open the shutter by hand.
- Do not place MiniDiscs in dusty, dirty or humid places.
- Do not place MiniDiscs in places exposed to direct sunlight or high temperatures.
- When sticking labels on cartridges, be careful of the things described below.

Applying labels incorrectly may cause the MiniDisc to get stuck inside the set.



- Apply the label properly within the specified area. (Do not apply labels outside the specified area.)
- Do not stick one label on top of another.
- If a label is peeling off or loose, replace it with a new label.

## Cleaning

Use a dry cloth to gently wipe dirt or dust off the cartridge. Do not apply excessive force.

## ■ Track numbers

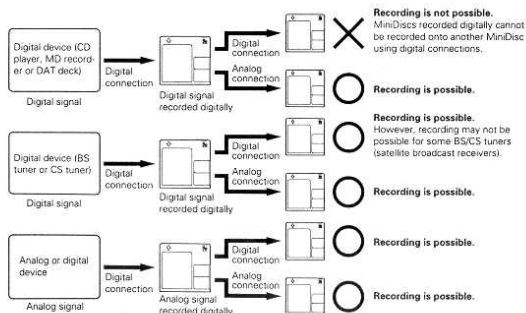
Track numbers are assigned automatically when tracks or audio signals are recorded on MiniDiscs. When a new track or audio signal is added, it is assigned the next track number.

**When recording a CD or MiniDisc using the digital input**  
The same track numbers are automatically assigned at the same places as those on the CD or MiniDisc.



## ■ Digital Copies

MiniDiscs recorded from a CD, etc., using the digital input cannot be digitally recorded (copied) onto another MiniDisc or DAT. This is determined by SCMS (Serial Copy Management System) regulations.

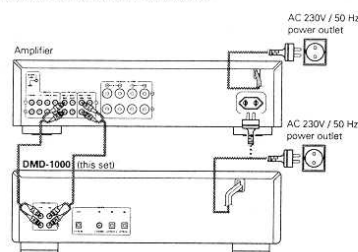


## 4 CONNECTIONS

### 1. Connecting the analog input and output jacks (analog connections)

- Use the included connection cords (pin-plug cords) to connect the analog input and output jacks.

- 1 Connect the left (L) and right (R) analog output (ANALOG OUT) jacks on the DMD-1000 to the left (L) and right (R) tape input (tape playback) jacks on the amplifier.
- 2 Connect the left (L) and right (R) analog input (ANALOG IN) jacks on the DMD-1000 to the left (L) and right (R) tape output (tape recording) jacks on the amplifier.

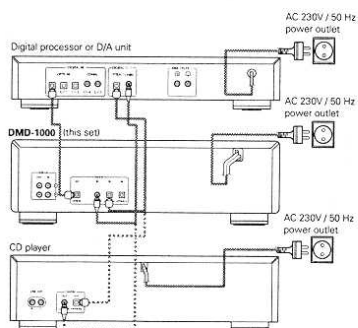


### 2. Connecting the digital input and output jacks (digital connections)

Use the included optical fiber cord to connect the OPTICAL digital input and output jacks. Use separately sold 75  $\Omega$ /ohms pin-plug cords to connect the COAXIAL digital input and output jacks.

- 1 Connect the digital output (DIGITAL OPTICAL OUT) jack on the DMD-1000 to the digital optical input of a digital processor or D/A unit.
- 2 Connect the digital input (DIGITAL OPTICAL IN or DIGITAL COAXIAL IN) jacks on the DMD-1000 to the digital output (DIGITAL OPTICAL OUT or DIGITAL COAXIAL OUT) jacks on a CD player, digital processor or D/A unit.

- This model comes with one optical fiber cable. Please contact your nearest DENON customer service center or office if you want to use a separately sold optical fiber cord.








## NOTES:

- Do not plug in the power cord until all other connections have been made.
- Check the channels and be sure to connect left to left (L—white), right to right (R—red).
- Insert the plugs securely. Incomplete connections may result in noise.
- After unplugging the power cord, wait about 5 seconds before plugging it back in.
- Note that clamping the connection cords (pin-plug cords) together with the power cord may result in humming or noise.




## 5 PART NAMES AND FUNCTIONS

### 1 POWER button

- The power turns on when the button is switched from the off position (  ) to the on position (  ).
- The power turns off when the button is switched from the on position (  ) to the off position (  ).
- When the button is in the on position (  ), the power button on the remote control unit can be used to switch the power between the on and standby modes. "OFF" is displayed when the power is in the standby mode.
- If a disc is inserted while in the standby mode, the power turns on automatically and the disc is drawn in. If a disc is inserted, the power turns on automatically when the play or eject button is pressed, and that operation is performed.


#### NOTES:

- This model is equipped with a backup function for storing the recorded or edited TOC (Table Of Contents) data even when the power button is set to the off position (  ) or the power cord is unplugged.
- Before using the backup function, press the power button and leave the power on for about 15 minutes.
- The data is backed up for 2 or 3 days. Write the TOC data on the disc immediately after recording or editing. If the backup data is lost, the recorded or edited data is erased and cannot be retrieved. (See Page 4.)

### 2 Headphones jack ( PHONES )

- Use this jack to listen with headphones. (Headphones are not included.)

### 3 Headphones volume control ( PHONES LEVEL )

- Use this to adjust the output level (volume) of the headphones jack (  PHONES ).

### 4 Input select switch ( INPUT SELECT )

- Use this to select the input source for recording.
- \* The input source cannot be switched during recording. To do so, first set the recording standby or stop mode.

### 5 REMOTE SENSOR

- Point the remote control unit (RC-270) towards this sensor when operating it.

### 6 Display

### 7 CHARACTER button

- Use this button when inputting titles to switch between capital letters, small letters and special letters.

### 8 External input monitor button ( EXT. MONITOR )

- When this button is pressed, the input signal selected with the input select switch can be monitored on the set's output jacks.

### 9 RECOVERY button

- When recording or editing has been performed repeatedly, the recordable time may be shorter than the Mini-Disc's maximum recording time. If this happens, press this button to reorganize the contents data (TOC) and increase the recordable time.
- \* The recordable time may not increase for some Mini-Discs.

### 10 CLEAR button

- Press this to clear programmed tracks or title characters.

### 11 Input level adjustment control ( INPUT LEVEL )

- Use this to adjust the analog input signal recording level.
- This control does not affect digital recording.



### 12 Jog dial

- Use this dial to find the beginning of tracks and for editing.
- Use this dial to input letters when giving titles to tracks on the disc.

### 13 ENTER button

- Press this to enter the edited data.

### 14 Record button ( ● REC )

- Press this button to record.
- The recording standby mode is set when the ● REC button is pressed alone.
- Press the play button (  PLAY ) while in the recording standby mode to start recording.
- To stop recording or to cancel the recording standby mode, press the stop button (  STOP ).

### 15 EDIT button

- This button is used when inputting disc and track titles and for such editing operations as erasing, dividing, combining and moving tracks. (See Page 17-23.)

### 16 Pause button ( II PAUSE )

- Press this button to stop playback or recording temporarily.
- Press the play button (  PLAY ) to cancel the pause mode.

### 17 Manual search forward button ( ►►► )

- Press this to search forward rapidly. (See Page 9.)

### 18 Stop button ( ■ STOP )

- Press this button to stop playback or recording.
- Press this button to clear the editing operation.

### 19 Manual search reverse button ( ◀◀◀ )

- Press this to search backward rapidly. (See Page 9.)

### 20 Play button ( ► PLAY )

- Press this button to start playback or recording.
- Press this button during recording to add a track number.

### 21 Eject button ( ▲ )

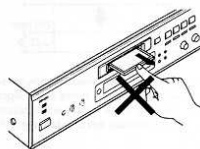
- Press this to eject the disc.

### 22 Disc insertion slot

- When a disc is inserted here, it is automatically drawn into the set.
- \* Be sure to insert the disc in the proper direction.

#### ★ Note on ejecting discs

- After pressing the eject button do not push the disc back in while it is being ejected. To reinsert the disc, wait until it comes fully out and stops, then press it back in.



### 23 Timer select switch ( TIMER )

- Use this for timer recording or playback when using the DMD-1000 with a separately sold audio timer.


### 24 Recording mode switch ( REC MODE )

- Set the switch to "STEREO" to record in stereo, "MONO" to record in monaural.
- With monaural recording it is possible to record approximately twice as much as with stereo recording.
- \* The setting cannot be changed during recording. To change the setting, first switch to the pause or stop mode.

### 25 Analog output jacks ( ANALOG OUT )

- Connect these to the amplifier's input jacks (TAPE-PB).


### 26 Analog input jacks ( ANALOG IN )

- Connect these to the amplifier's output jacks (TAPE-REC).
- The audio signals from other components connected to the amplifier can be recorded on this set. To do so, set the input select switch (  INPUT SELECT ) to the "ANALOG" position.

### 27 Digital output jack ( DIGITAL OPTICAL OUT )

- Digital data is output from this jack in the form of optical signals.
- When this jack is connected to the digital input (OPTICAL) jack on a digital processor or D/A unit, the sound from the DMD-1000 can be heard over the speakers.

### 28 Digital input jack ( DIGITAL COAXIAL IN )

- Use this jack to input digital data.
- When connected to the digital optical output jack of a CD player, DAT deck, satellite broadcast tuner or another MD recorder, the sound from that unit can be recorded digitally on the DMD-1000. To do so, set the input select switch (  INPUT SELECT ) to the "COAX" position.

### 29 Digital input jack ( DIGITAL OPTICAL IN 1, 2 )

- Digital data is input from this jack in the form of optical signals.
- When connected to the digital optical output jack of a CD player, DAT deck, satellite broadcast tuner or another MD recorder, the sound from that unit can be recorded digitally on the DMD-1000. Two sets of digital inputs can be connected, so set the input select switch to "OPT-1" or "OPT-2".

- \* It is not possible to record the digital data of sources for which digital copying is prohibited. ("Copy Prohibit" is displayed.)

## 6 Display

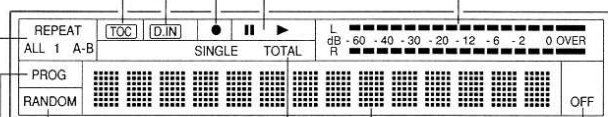
This indicator lights when the recording, erasing, title input or other editing operations are performed and the contents of the disc are changed. Do not shake the main unit, press the main unit's power button or unplug the power cord while this indicator is flashing. Doing so will result in a loss of the recorded data.

This indicator lights when one of the digital inputs (digital) is selected. If this flashes after performing the recording operation, check the connections of the digital input jacks.

This indicator lights when in the recording or recording standby mode.

▶ " lights during playback or recording. " II " lights during the pause mode.  
▶ " flashes during manual search in the play mode. " II " flashes during manual search in the pause mode.

This indicates the recording and playback level.



This indicator lights during random playback.

Multi-display  
The track number, playing time, title, and various operations and messages are displayed here.

This indicator lights during programmed playback.

This indicates the time display setting.  
When SINGLE is lit: Single track remaining time  
When TOTAL is lit: Recordable time

These indicators light when in the repeat playback mode.  
In the single track repeat mode: REPEAT 1  
In the all track repeat mode: REPEAT ALL  
In the A-B repeat mode: REPEAT A-B

This lights when the power is in the standby mode.

## 6 REMOTE CONTROL UNIT

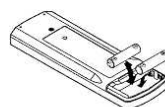
★ The included remote control unit (RC-270) can be used to operate the DMD-1000 from a distance.

### Inserting the batteries

① Remove the remote control unit's back lid.



② Insert the two R6P (AA) batteries in the battery compartment, in the direction indicated by the marks inside the compartment.



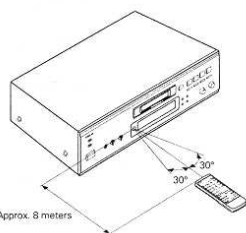
③ Put the back lid back on.



### Cautions on batteries

- Use R6P (AA) batteries in the remote control unit.
- The batteries should be replaced with new ones after approximately one year, though this depends on the frequency with which the remote control unit is used.
- Even if the batteries are less than a year old, replace them with new ones if the remote control unit no longer operates even from a short distance from the main unit.
- When inserting new batteries, wait about two minutes after removing the old batteries before inserting the new ones.
- Be sure to set the batteries in the proper "B" and "G" directions, as indicated by the marks in the remote control unit's battery compartment.
- Remove the batteries when not using the remote control unit for long periods of time.
- To avoid explosions and fluid leakage:
  - Do not use one new battery with one old one.
  - Do not use two different types of batteries.
  - Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- If the battery fluid should leak, wipe all the fluid off the battery compartment, then insert new batteries.

### Using the remote control unit



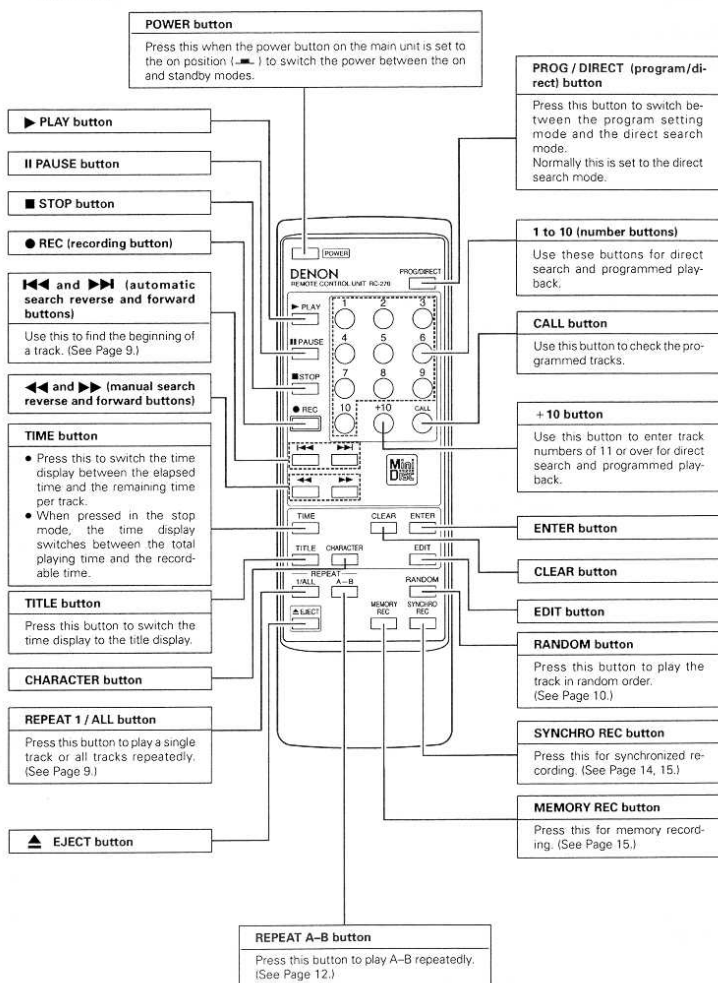
- When operating the remote control unit, point it at the main unit as shown in the diagram.
- The remote control unit can be operated from a direct distance of approximately 8 meters from the main unit. This distance will be shortened, however, if there are obstacles or when operated from an angle. (The remote control unit will operate from a horizontal angle of up to about 30°.)

### NOTES:

- The remote control unit may not operate if the remote sensor is exposed to direct sunlight or strong artificial light, or if there is an obstacle between it and the remote sensor.
- Do not press buttons on the main unit and on the remote control unit at the same time. Doing so will result in malfunction.

## Names and Functions of Remote Control Unit Buttons

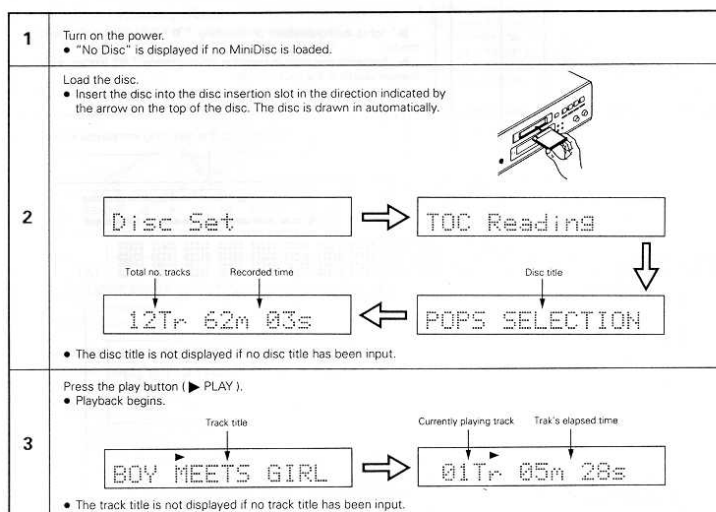
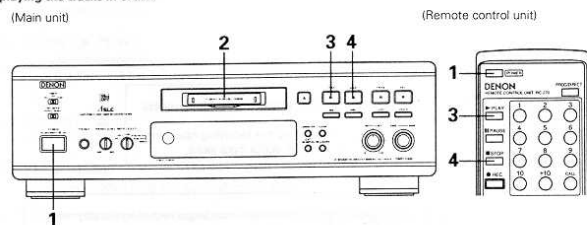
★ Buttons not explained here function in the same way as the corresponding buttons on the main unit.



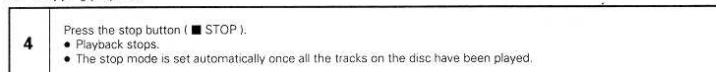
## 7 NORMAL PLAYBACK

### 1. Starting playback

First try playing the tracks in order.



### 2. Stopping playback



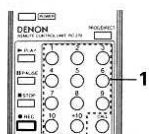


# 8 VARIOUS PLAYBACK FUNCTIONS

In addition to normal playback, the DMD-1000 also offers the playback functions described below.

## 1. Playing a certain track (remote control unit only) ..... Direct Search

(Remote control unit)



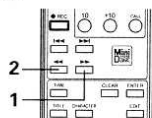
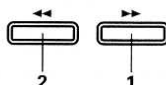
- 1 Use the number buttons (1 to 10) and the +10 button to input the number of the desired track:
  - For example:  
Press button [4] to listen to the 4th track, buttons [+10] and [2] to listen to the 12th track, [+10], [+10] and [10] to listen to the 30th track. Playback begins from that track.

## 2. Finding the desired position while listening to the sound ..... Manual Search

- Use this function to skip rapidly through the disc while listening to the sound.  
This function comes in handy when you want to find a certain section within a long track.

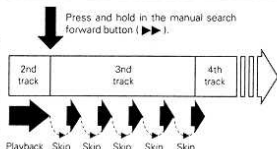
(Main unit)

(Remote control unit)



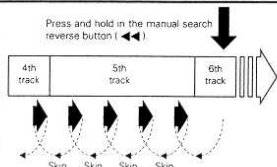
### (1) Searching forward

- 1 During playback, press and hold in the manual search forward button (▶▶).
  - Normal playback resumes from the point at which the button is released.
  - Playback stops if the end of the last track on the disc is reached while pressing the manual search forward button (▶▶).
  - For high-speed forward search without hearing the sound, press the manual search forward button while in the pause mode.



### (2) Searching backward

- 2 During playback, press and hold in the manual search reverse button (◀◀).
  - Normal playback resumes from the point at which the button is released.
  - Manual search stops and playback starts if the beginning of the first track on the disc is reached while pressing the manual search reverse button (◀◀).
  - For high-speed backward search without hearing the sound, press the manual search reverse button while in the pause mode.



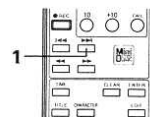
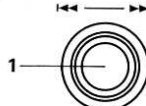
- NOTE:**
- There may be a slight break in the sound when returning to normal playback from the manual search mode.

## 3. Finding the beginnings of tracks during playback ..... Automatic Search

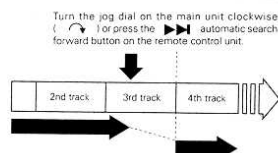
### (1) Moving ahead to the beginning of the next track

(Main unit)

(Remote control unit)



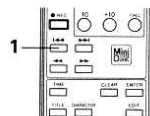
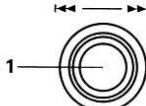
- 1 Either turn the jog dial on the main unit clockwise (↻) or press the ▶▶ automatic search forward button on the remote control unit.
  - During the search operation, turn the jog dial on the main unit clockwise (↻) again or press the ▶▶ automatic search forward button on the remote control unit again to move further on to the beginning of the following track.



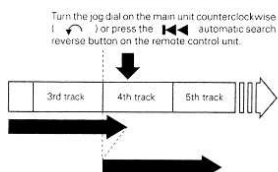
### (2) Moving back to the beginning of the current track

(Main unit)

(Remote control unit)



- 1 Either turn the jog dial on the main unit counterclockwise (↺) or press the ◀◀ automatic search reverse button on the remote control unit.
  - During the search operation, turn the jog dial on the main unit counterclockwise (↺) again or press the ◀◀ automatic search reverse button on the remote control unit again to move further back to the beginning of previous track.

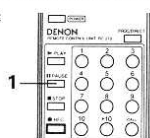
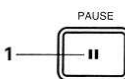


## 4. Stopping playback temporarily ..... Pause

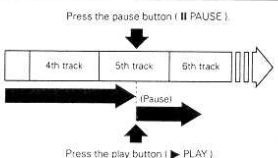
- Use this function to stop playback temporarily then resume from the same point

(Main unit)

(Remote control unit)

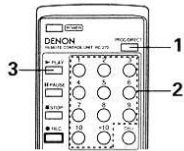


- 1 During playback, press the pause button (II PAUSE).
  - The pause mode is set.
  - Press the play button to resume playback from the point at which the pause mode was set.



5. Playing tracks in a certain order ..... **Programmed Playback**

(Remote control unit)



- Use this function to select certain tracks from the disc and program them to play in a certain order.
- Up to 25 tracks can be programmed.

1	In the stop mode, press the PROG/DIRECT button. <ul style="list-style-type: none"><li>• The "PROG" indicator lights.</li></ul>
2	Use the number buttons and the +10 button to select the tracks for programmed playback. <ul style="list-style-type: none"><li>• For example, to program the 3rd, 12th and 7th tracks, press <b>PROG/DIRECT</b>, <b>3</b>, <b>+10</b>, <b>2</b> and <b>7</b>.</li></ul>
3	Press the play button (▶ PLAY). <ul style="list-style-type: none"><li>• The tracks are played in the programmed order.</li></ul>

- To check the contents of the program, press the CALL button. The programmed tracks appear in the programmed order on the display each time the CALL button is pressed.
- To change the program, press the CLEAR button while in the stop mode, then program the desired track. The last programmed track is replaced with the newly input track.
- To clear the entire program, press the PROG/DIRECT or EJECT (▲) button while in the stop mode.

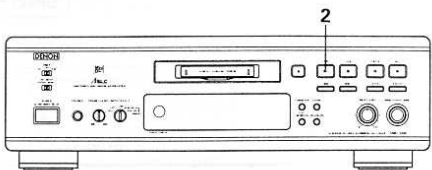
**NOTES:**

- The single track repeat mode and A – B repeat mode cannot be set during random playback.
- Programs with total playing times of over 256 minutes can be set, but the time will not be displayed properly.

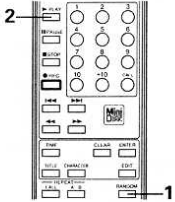
6. Playing in random order ..... **Random Playback**

- Use this function to play all the tracks on the disc once in random order.

(Main unit)



(Remote control unit)



1	In the stop mode, press the RANDOM button. <ul style="list-style-type: none"><li>• The "RANDOM" indicator lights.</li></ul>
2	Press the play button (▶ PLAY). <ul style="list-style-type: none"><li>• During normal playback:<ul style="list-style-type: none"><li>Tracks are automatically played in random order.</li></ul></li><li>• During the all-track repeat mode:<ul style="list-style-type: none"><li>All the tracks are played once in random order, then repeated in another random order.</li></ul></li><li>• To cancel the random play mode, either set the stop mode or press the RANDOM button again.</li></ul>

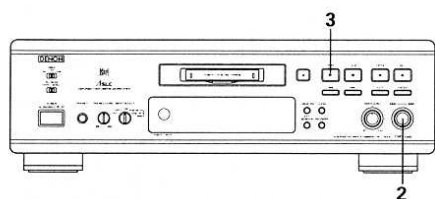
**NOTE:**

- The single track repeat mode and A – B repeat mode cannot be set during random playback.

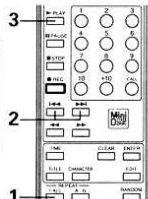
# 7. Playing repeatedly . . . . . Repeat Playback

## (1) Playing a single track repeatedly [Single Track Repeat]

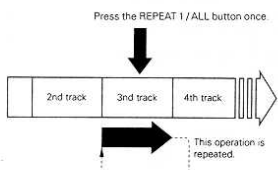
(Main unit)



(Remote control unit)

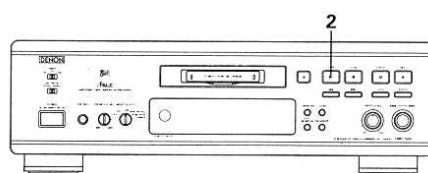


1	Press the REPEAT 1/ALL button once. <ul style="list-style-type: none"> <li>The "REPEAT" indicators light on the display and the single track repeat mode is set.</li> </ul>
2	Either turn the jog dial on the main unit or use the automatic search buttons (◀◀ and ▶▶) on the remote control unit to select the track to be played repeatedly.
3	<p>Press the play button (▶ PLAY).</p> <ul style="list-style-type: none"> <li>Playback starts.</li> <li>Once the selected track ends, it is played again from the beginning.</li> <li>The single track repeat mode can also be set by pressing the REPEAT 1/ALL button during playback. The current track is played repeatedly.</li> <li>To cancel the single track repeat mode, press the REPEAT 1/ALL button repeatedly until the "REPEAT" indicator turns off.</li> </ul>

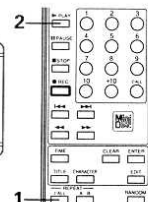


## (2) Playing all tracks repeatedly [All Track Repeat]

(Main unit)



(Remote control unit)



1	Press the REPEAT 1/ALL button twice. <ul style="list-style-type: none"> <li>The "REPEAT" indicators light on the display and the all track repeat mode is set.</li> </ul>
2	<p>Press the play button (▶ PLAY).</p> <ul style="list-style-type: none"> <li>The disc is played repeatedly.</li> <li>The all track repeat mode can also be set by pressing the REPEAT 1/ALL button twice during playback.</li> <li>If the REPEAT 1/ALL button is pressed during programmed playback, the tracks are played repeatedly in the programmed order.</li> <li>To cancel the all track repeat mode, press the REPEAT 1/ALL button repeatedly until the "REPEAT" indicator turns off.</li> </ul>

### NOTE:

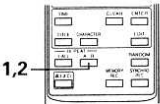
- The single track repeat mode and A - B repeat mode cannot be set during programmed playback or random playback.



(3) Playing a section between any two points repeatedly [A-B Repeat]

- This function allows you to play a certain section within a track repeatedly.

(Remote control unit)



1	During playback, press the A-B repeat button at the position at which you want to start repeating (point A). <ul style="list-style-type: none"><li>• The " REPEAT " indicator lights.</li></ul>
2	<p>Press the A-B repeat button again at the position at which you want to stop repeating (point B).</p> <ul style="list-style-type: none"><li>• The " REPEAT " indicator lights, the pickup returns to point A, and the section is played repeatedly.</li></ul> <div><div>(1) Press the A-B repeat button during playback. Point A</div><div>(2) Press the A-B repeat button again. Point B</div><div>2nd track3rd track4th track</div><div>This operation is repeated.</div></div> <ul style="list-style-type: none"><li>• To stop A-B repeat playback, press the REPEAT A-B button on the remote control unit until the "REPEAT" indicator turns off. The A-B repeat mode is canceled and normal playback starts from the beginning of the current track.</li><li>• If the stop button ( ■ STOP ) is pressed, the A-B repeat mode is canceled and the stop mode is set.</li></ul> <p><b>NOTES:</b></p> <ul style="list-style-type: none"><li>• A-B repeat playback is not possible during programmed playback or random playback.</li><li>• The automatic and manual search functions cannot be used during A-B repeat playback or when setting point B.</li><li>• When A-B repeat playback is canceled when point B is set on a different track from point A, playback resumes from the beginning of the track that is playing when the A-B repeat mode is canceled.</li></ul>

9 RECORDING

- When recording on an already recorded disc, recording automatically starts from the end of the section last recorded. When doing so, pay attention to the remaining time.
- To clear the entire content of the disc and record from the beginning, first erase the entire disc. (For instructions on erasing the entire disc, refer to " [2] Editing — (1) Erasing all tracks " on Page 18.)
- To record on a disc, make sure the accidental erasure prevention tab is closed and the hole is covered.

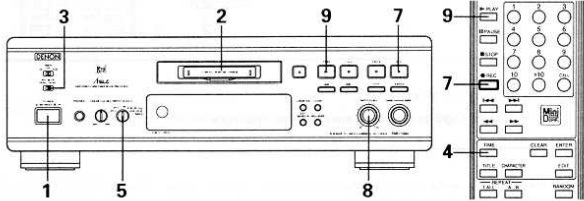
1. Starting recording

- The recording pause mode is set automatically if a blank disc or no-track disc is loaded. (Auto Rec Pause function)

(1) Analog recording

(Main unit)

(Remote control unit)



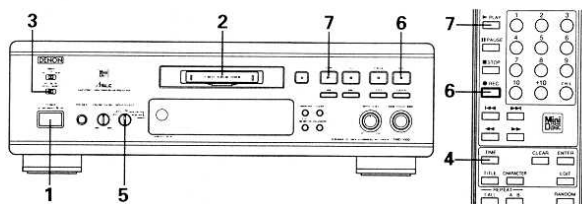
1	Turn on the power.
2	Load the recordable MiniDisc on which you want to record.
3	Set the recording mode switch to the mode in which you want to record.
4	When using an already recorded MiniDisc, press the TIME button to check the recordable time. <ul style="list-style-type: none"><li>• The time display switches between the total recorded time and the recordable time each time the TIME button is pressed.</li></ul>
5	<p>Set the input select switch (INPUT SELECT) to the "ANALOG" position.</p> <ul style="list-style-type: none"><li>• "Analog ATM On" or "Analog ATM Off" appears on the multi-display.</li><li>• When the analog A.T.M. (Auto Track Marking) function is on (when "Analog ATM On" is displayed): Track numbers are automatically added when soundless sections (about 1.5 sec.) are detected in the recording input signal.</li><li>• When the analog A.T.M. function is off (when "Analog ATM Off" is displayed): Track numbers are not automatically added. (For instructions on adding track numbers, refer to " [2] Editing — (2) Dividing tracks " on Page 19.)</li></ul> <div>Analog ATM On</div>
6	Start playing the selection you want to record on the CD player, cassette deck, etc.
7	Press the record button ( ● REC ). <ul style="list-style-type: none"><li>• The recording standby mode is set.</li></ul>
8	Use the INPUT LEVEL control to adjust the recording level. <ul style="list-style-type: none"><li>• Adjust the INPUT LEVEL control so that the "OVER" indicator does not light even when the volume is loudest. After adjusting, set the source to be recorded to the standby mode.</li></ul>
9	Press the play button ( ► PLAY ). <ul style="list-style-type: none"><li>• Recording starts.</li></ul>
10	Start playing the selection you want to record on the CD player, cassette deck, etc.

## (2) Digital recording

- This set includes a sampling converter. When recording DATs or satellite broadcasts (32 kHz or 48 kHz) whose digital input signal sampling frequency is different from that of MiniDiscs (44.1 kHz), the sampling frequency is automatically converted to 44.1 kHz.

(Main unit)

(Remote control unit)



1	Turn on the power.
2	Load the recordable MiniDisc on which you want to record.
3	Set the recording mode switch to the mode in which you want to record.
4	When using an already recorded MiniDisc, press the TIME button to check the recordable time. • The time display switches between the total recorded time and the recordable time each time the TIME button is pressed.
5	Set the input select switch (INPUT SELECT) to the "COAX", "OPT-1" or "OPT-2" position. • "Coax", "Opt-1" or "Opt-2" appears on the multi-display. • If the "D IN" indicator is flashing, check the connections to the digital input jacks. <div style="text-align: center;">Example: When set to the DIGITAL OPTICAL IN 1 Lights </div>
6	Press the record button (● REC). • The recording standby mode is set. • If the input select switch is switched while in the recording pause mode, the digital input signal's sampling frequency is displayed for approximately 2 seconds.
7	Press the play button (▶ PLAY). • Recording starts.
8	Play the selection to be recorded on the CD player, etc.

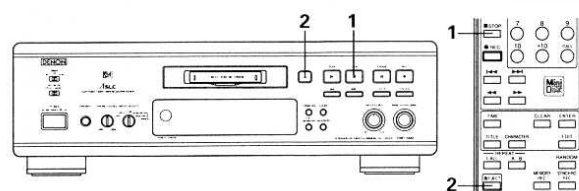
### NOTE:

- If the recording mode switch is switched to "MONO" while stereo audio signals are being input, the level meter display and monitor signals do not switch to monaural.

## 2. Stopping recording

(Main unit)

(Remote control unit)

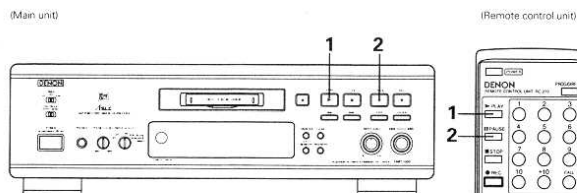


1	During recording, press the stop button (■ STOP). • The stop mode is set automatically once the end of the recordable time is reached.
2	Press the EJECT button (▲). • The TOC data is written and the disc is ejected. • When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc. • The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

### NOTES:

- When performing digital recording, there is no need to adjust the recording level. The position of the INPUT LEVEL control does not affect the recording level.
- When performing digital recording of CDs or MiniDiscs, the track numbers are recorded automatically. (Depending on the recorded content on the CD or MiniDisc and on the type of CD player, the track numbers may differ from those on the original CD or MiniDisc.) (See Page 5.)
- When recording on CDs or MiniDiscs, track numbers may be incremented by 1. If this happens, erase the unnecessary track numbers. (See Page 17.)
- When recording digital sources other than CDs or MiniDiscs, track numbers are automatically added when blank sections are detected. (See Page 5.)
- During digital recording from CDs or MiniDiscs, the track number may not change if the same track is programmed twice in a row or if the single track repeat mode is set.
- It is not possible to make digital recordings of MiniDiscs which have already been recorded digitally. The DMD-1000 includes a serial copy management system. This system limits reproduction of digital signals on digital audio devices to "one generation". Use analog recording to record MiniDiscs originally recorded digitally.
- To eject the MiniDisc if the "Copy Prohibit" or "Digital Unlock" message is displayed during digital recording and the recording pause mode is set, first press the stop button, then press the eject button to eject the MiniDisc.

# 10 VARIOUS RECORDING FUNCTIONS



## 1. Adding track numbers during recording

- Track numbers can be added during recording regardless of the recording mode.

**1**

During recording, press the play button (▶ PLAY).

- When the play button (▶ PLAY) is pressed during recording, a track number is added at that point.
- A new track number cannot be added for approximately 4 seconds after the last track number for stereo recordings, approximately 8 seconds after the last track number for monaural recordings.

Press the play button (▶ PLAY).

(Recording continues.)

## 2. Stopping recording temporarily

- Recording can be stopped temporarily then resumed from the same point.

**2**

During recording, press the pause button (⏸ PAUSE).

- When the pause button (⏸ PAUSE) is pressed during recording, the pause mode is set at that point and the track number changes.
- Press the play button (▶ PLAY) to resume recording.

Press the pause button (⏸ PAUSE).

(pause)

Press the play button (▶ PLAY).

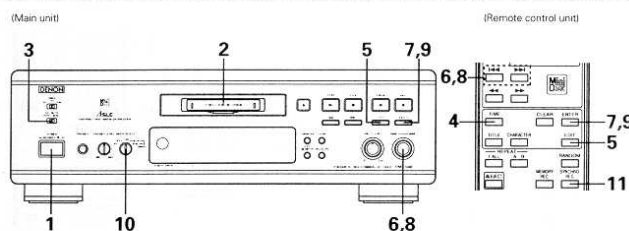
### NOTES:

- The TOC is written on the disc when the eject button is pressed to eject the disc and when the power button on the remote control unit is pressed to set the power to the standby mode.
- After recording, press the EJECT button (▲) to record the TOC data before performing other operations.
- The TOC indicator flashes while the TOC data is being recorded. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.

## 3. Recording simultaneously while playing on another component

### Synchronized Recording

- With this function you can start recording automatically when playback starts on a component connected to the input jacks.



1	Turn on the power.
2	Load the recordable MiniDisc on which you want to record.
3	Switch the recording mode switch to the mode in which you want to record.
4	When using an already recorded MiniDisc, press the TIME button to check the recordable time. <ul style="list-style-type: none"> <li>The time display switches between the total recorded time and the recordable time each time the TIME button is pressed.</li> </ul>
5	In the stop mode, press the EDIT button. <ul style="list-style-type: none"> <li>"Edit Mode" is displayed.</li> </ul>
6	Either turn the jog dial on the main unit or press one of the automatic search buttons (◀◀ and ▶▶) on the remote control unit. <ul style="list-style-type: none"> <li>Display "Sync Rec Lev.?".</li> </ul>
7	Press the ENTER button. <ul style="list-style-type: none"> <li>"Sync Lev: -54 dB" is displayed.</li> <li>※ The default value -54 dB.</li> <li>[A synchronized recording level of -54 dB means that recording starts automatically on the MiniDisc when playback signals of -54 dB or greater are detected after a blank section of 4 seconds or more in the playback signals input from an external component.]</li> </ul>
8	Turn the jog dial on the main unit or use the automatic search buttons (◀◀ and ▶▶) on the remote control unit to set the synchronized recording level. <ul style="list-style-type: none"> <li>※ The level can be adjusted in steps of 6 dB between -54 dB and -30 dB.</li> <li>※ When the synchronized recording level is set to -30 dB, -36 dB, -42 dB or -48 dB, the signal level for the auto track increment function which automatically adds track numbers when blank sections are detected is set to the same level. When set to -54 dB, the signal level is set to approximately -50 dB.</li> </ul>
9	Press the ENTER button. <ul style="list-style-type: none"> <li>"Complete" is displayed.</li> <li>※ The synchronized recording level is set.</li> </ul>
10	Set the input select switch (INPUT SELECT).
11	Press the SYNCHRO REC button. <ul style="list-style-type: none"> <li>Set the recording pause mode and "Synchro Rec" is displayed.</li> </ul>



- 12 Play the track you want to record on the CD player, cassette deck, etc.  
 • Recording starts automatically.

- When recording with the default synchronized recording level, skip steps 5 to 9.
- To cancel the synchronized recording mode, press the STOP button.

#### NOTES:

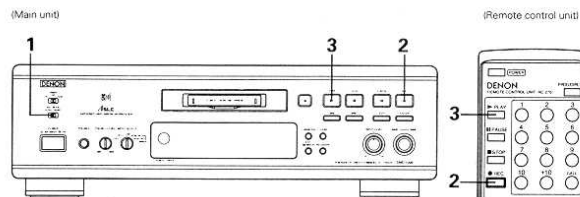
- When recording an analog input, adjust the recording level before synchronized recording.
- When a blank section of 4 seconds or more is detected in the playback signal during synchronized recording, the track number increases by one and the recording pause mode is set automatically. When playback resumes recording also resumes.
- If a signal equal to or greater than the set recording level is being input when the synchronized recording button (SYNCHRO REC) is pressed, recording starts immediately.
- Synchronized recording may not work properly if there is noise in the blank sections between tracks. If this happens, change the synchronized recording level setting.
- During synchronized recording, the set operates as if the input select switch (INPUT SELECT) is set to ANALOG A.T.M. ON, even if it is set to ANALOG A.T.M. OFF.
- The track number increases if the sampling frequency switches when in the synchronized recording pause mode.
- The recording mode cannot be changed when in the synchronized recording pause mode.
- The synchronized recording level is reset to the default value when the power of the main unit is turned off ( ).

#### NOTE:

- The set stores in the memory the sound which is being input at the point when the recording pause mode is set. Thus, the sound from 6 seconds ago cannot be recorded if recording is started more than 6 seconds after the recording pause mode is set. In addition, if the input is switched with the input select switch (INPUT SELECT) in the 6 seconds before memory recording is started, the sound recorded before the input was switched may be recorded.

### 5. Recording in monaural ..... Monaural Recording

- With monaural recording it is possible to record approximately twice as much as with stereo recording.
- Use this function to record tracks originally recorded in monaural or programs consisting mostly of talk.



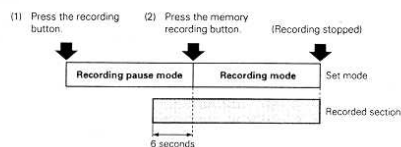
- 1 Set the recording mode switch to "MONO".  
 • "Mono" is displayed.
- 2 Press the REC button.  
 • The recording standby mode is set.
- 3 Press the PLAY button.  
 • Recording starts.

#### NOTES:

- The recording mode cannot be switched during recording.
- If the recording mode switch (REC MODE) is switched during the editing operation, the editing operation is cleared.
- The monitor signals and level meter display do not switch to monaural, even if the recording mode switch is switched to "MONO".

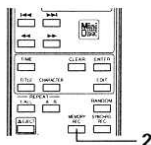
### 4. Recording from a point 6 seconds back ..... Memory Recording

- With this function you can start recording from a point up to 6 seconds back in the sound that was being input to the set when the recording pause mode was set.



- Use this function to prevent missing the beginning of the satellite broadcast or other program you want to record using the "AIR CHECK" function.

(Remote control unit)



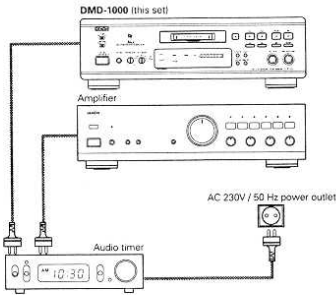
- 1 Perform the operations under "Starting to Record" on Pages 12 and 13.  
 • To record an analog input, perform steps 1 to 8 under "Recording an Analog Input".  
 • To record a digital input, perform steps 1 to 6 under "Recording a Digital Input".
- 2 Press the MEMORY REC button on the remote control unit.  
 • Recording starts from a point up to 6 seconds before the button was pressed.  
 • "Memory Rec" is displayed.

- To cancel the memory rec mode, press the STOP button.

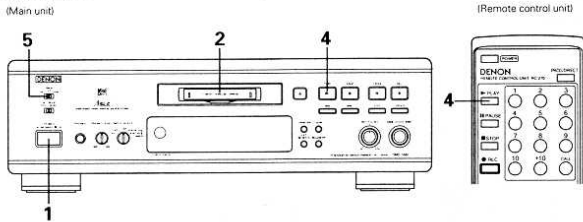
11 TIMER PLAYBACK AND RECORDING

- A separately sold audio timer can be used to start playback or recording at a specific time.
- Also refer to the operating instructions for the audio timer and amplifier.

1. Connections

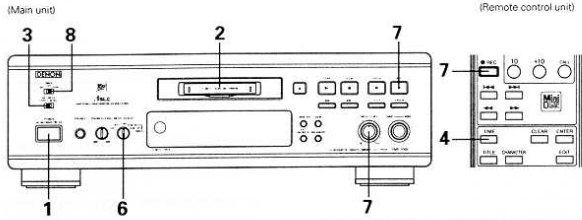


2. Timer playback



1	Turn on the power of the DMD-1000 and the connected components.
2	Load the MiniDisc for timer playback into the DMD-1000.
3	Set the amplifier's input selector to "MD".
4	Press the play button (▶ PLAY). • Play the disc to check the volume.
5	Set the DMD-1000's timer select switch (TIMER) to "PLAY".
6	Set the audio timer for the desired time.
7	Press the power button on the remote control unit to set the power to the standby mode. Turn the audio timer ON. • When the set time is reached, the power of the various components turns on automatically and playback begins from track one.

3. Timer recording



1	Turn on the power of the DMD-1000 and the connected components.
2	Load the recordable MiniDisc for timer recording into the DMD-1000.
3	Set the recording mode switch to the mode in which you want to record.
4	When using an already recorded MiniDisc, press the TIME button to check the recordable time.
5	Set the input selector button on the amplifier or receiver to the source to be recorded.
6	Set the input select switch (INPUT SELECT) on the DMD-1000 to the source to be input.
7	Press the record button and adjust the recording level. (For analog inputs only) • Adjust so that the level meter does not light up to "OVER".
8	Set the DMD-1000's timer select switch (TIMER) to "REC". • When the set time is reached, the power turns on and recording begins.
9	Set the audio timer for the desired time.
10	Press the power button on the remote control unit to set the power to the standby mode. Turn the audio timer ON. • When the set time is reached, the power of the various components turns on automatically and recording begins.

# NOTES:

- Be sure to keep the main unit's power button in the on position when performing timer playback and recording. Timer playback and recording will not work if the power button is in the off position.
- The recording made using timer recording is stored on the disc the next time the power is turned on. During this, the [TOC] indicator flashes. Do not shake the main unit, press the main unit's power button or unplug the power cord while the "TOC" is flashing.
- To operate the DMD-1000 again after timer recording, first eject the disc, then reload it.
- The recording made using timer recording may be cleared if the DMD-1000's power is not turned on for 2 or 3 days. Be sure to turn on the DMD-1000 within 2 or 3 days.
- Be sure to set the DMD-1000's timer select switch (TIMER) to the "OFF" position when not using timer playback or recording. It takes several seconds from the time the timer recording start time is reached until the power is turned on and recording actually starts. Take this into consideration when setting the timer's start and stop times.
- The recordable time may be shortened by several seconds when using timer recording on discs on which editing (erasing tracks, etc.) has been performed repeatedly.
- The POWER button, TIME button and input level adjustment control (INPUT LEVEL) do function during timer recording.
- To stop recording during timer recording, set the timer select switch (TIMER) to "OFF", then press the stop button (■ STOP).
- Timer recording is not possible when the disc's accidental erasure prevention tab is open or when the disc is already full ("Disc Full").





## 12 EDITING

The editing functions can be used to add track numbers, combine tracks, erase unwanted sections, etc. It is also possible to give titles to discs and tracks. Use the editing functions to get the best of the excellent operability that MiniDiscs offer.

### 1. Editing

The DMD-1000 is equipped with the following four editing functions:

#### Editing functions

 <ul style="list-style-type: none"> <li>• Erasing single tracks (See Page 17.)</li> <li>• Erasing all tracks (See Page 18.)</li> <li>• Erasing A-B tracks (See Page 18.)</li> <li>• Erasing disc titles (See Page 22.)</li> <li>• Erasing track titles (See Page 22.)</li> <li>• Erasing all titles (See Page 22.)</li> </ul>	 <ul style="list-style-type: none"> <li>• Combining tracks (See Page 19.)</li> </ul>
 <ul style="list-style-type: none"> <li>• Dividing tracks (See Page 19.)</li> </ul>	 <ul style="list-style-type: none"> <li>• Moving tracks (See Page 20.)</li> <li>• Moving program tracks (See Page 20.)</li> </ul>

These four editing functions can be combined for a variety of editing possibilities.

- When editing or adding titles, close the accidental erasure prevention tab to cover the hole.

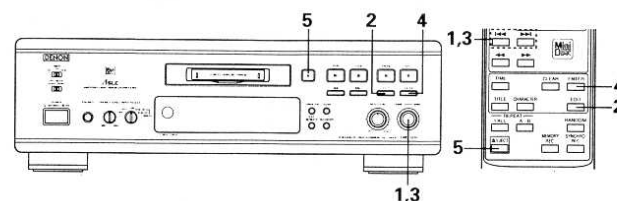
### (1) Erasing tracks



[Erasing one track at a time]

(Main unit)

(Remote control unit)

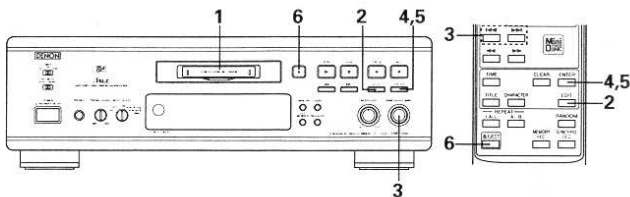


1	<p>In the stop mode, display the number of the track to be erased.</p> <ul style="list-style-type: none"> <li>• Either turn the jog dial on the main unit or use the automatic search buttons (◀◀ and ▶▶) on the remote control unit to display the number of the track to be erased.</li> <li>• This step is unnecessary when you want to erase the currently playing or paused track.</li> </ul>
2	<p>Press the EDIT button.</p> <ul style="list-style-type: none"> <li>• "Edit Mode" is displayed.</li> </ul>
3	<p>Either turn the jog dial on the main unit or press one of the automatic search buttons (◀◀ and ▶▶) on the remote control unit.</p> <ul style="list-style-type: none"> <li>• Display "Track Erase?".</li> </ul>
4	<p>Press the ENTER button to erase the track.</p> <ul style="list-style-type: none"> <li>• "Complete" is displayed.</li> <li>• The stop mode is set once the operation is completed.</li> <li>• During the pause mode, that track is erased.</li> <li>• When a track is erased during the pause mode, the stop mode is set after the track is erased.</li> <li>• When a track is erased, the numbers of the tracks following that track are all decreased by one.</li> </ul>
5	<p>Press the EJECT button (▲).</p> <ul style="list-style-type: none"> <li>• The TOC data is written and the disc is ejected.</li> <li>• When TOC writing starts, the " [TOC] " indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.</li> <li>• The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.</li> </ul> <p>• When erasing two or more tracks, start from the track with the largest number, since the numbers of the following tracks decrease when a track is erased.</p> <p>• To cancel the erasing procedure, press the STOP or CLEAR button before step 4 above to display "Track Erase?".</p>





[Erasing all tracks]  
(Main unit)



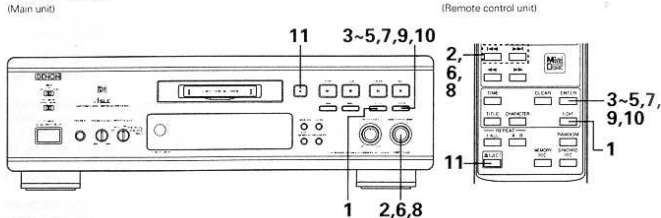
1	Load the disc you want to erase.
2	In the stop mode, press the EDIT button. <ul style="list-style-type: none"><li>• "Edit Mode" is displayed.</li></ul>
3	Either turn the jog dial on the main unit or press one of the automatic search buttons (◀◀ and ▶▶) on the remote control unit. <ul style="list-style-type: none"><li>• Display "ALL Erase?".</li></ul>
4	Press the ENTER button. <ul style="list-style-type: none"><li>• The "Erase OK?" message appears.</li></ul>
5	Press the enter button to erase the track. <ul style="list-style-type: none"><li>• "Complete" is displayed, then the "Blank Disc" message appears.</li></ul>
6	Press the EJECT button (▲). <ul style="list-style-type: none"><li>• The TOC data is written and the disc is ejected.</li><li>• When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.</li><li>• The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.</li></ul>

- When the all erase function is used, both the tracks and the disc title are erased.
- To cancel the erasing procedure, press the STOP or CLEAR button before step 5 above to display "ALL Erase?" or "Erase OK?".



[Erasing a certain section of a track]  
(Main unit)

- This function comes in handy for example when you want to erase part of an unattended recording made with the "AIR CHECK" function.



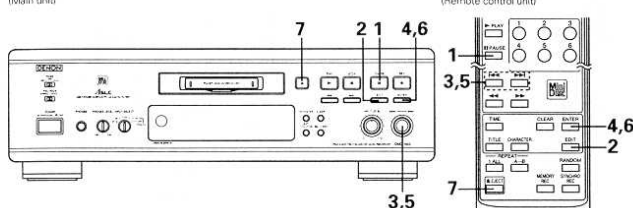
1	In the play mode or pause mode, press the EDIT button. <ul style="list-style-type: none"><li>• "Edit Mode" is displayed.</li></ul>
2	Either turn the jog dial on the main unit or press one of the automatic search buttons (◀◀ and ▶▶) on the remote control unit. <ul style="list-style-type: none"><li>• Display "A-B Erase?".</li></ul>
3	Press the ENTER button. <ul style="list-style-type: none"><li>• "A Point In?" is displayed.</li></ul>
4	Press the ENTER button at the position where you want to start erasing (point A). <ul style="list-style-type: none"><li>• "B Point In?" is displayed.</li></ul>
5	Press the ENTER button again at the position where you want to stop erasing (point B). <ul style="list-style-type: none"><li>• The section which is to be erased is played and "Position OK?" is displayed.</li><li>• The section at which the track is to be combined is played repeatedly for several seconds.</li></ul>
6	To fine-adjust point A, turn the jog dial on the main unit or use the automatic search buttons (◀◀ and ▶▶) on the remote control unit to move point A. <ul style="list-style-type: none"><li>• "A Point ± [point number]" is displayed.</li><li>• Fine-adjustment is possible within the range of -176 to +176 points. (1 point equals approximately 0.012 seconds.)</li></ul>
7	Press the ENTER button to reset point A. <ul style="list-style-type: none"><li>• "B Point ± [point number]" is displayed.</li></ul>
8	To fine-adjust point B, turn the jog dial on the main unit or use the automatic search buttons (◀◀ and ▶▶) on the remote control unit to move point B. <ul style="list-style-type: none"><li>• "B Point ± [point number]" is displayed.</li><li>• Fine-adjustment is possible within the range of -176 to +176 points. (1 point equals approximately 0.012 seconds.)</li></ul>
9	Press the ENTER button. <ul style="list-style-type: none"><li>• "Position OK?" is displayed.</li><li>• The section at which the track is to be combined is played repeatedly for several seconds.</li></ul>
10	Press the ENTER button to erase the A-B section. <ul style="list-style-type: none"><li>• "Complete" is displayed.</li></ul>
11	Press the EJECT button (▲). <ul style="list-style-type: none"><li>• The TOC data is written and the disc is ejected.</li><li>• When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.</li><li>• The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.</li></ul>

- Press the CLEAR button to reset the settings to as they were one step before that point.
- To cancel the erasing procedure, press the STOP or CLEAR button before step 10 above.

## (2) Dividing tracks



- A recorded track can be divided, adding a new track number to the second part.
- Use this function to add a track number at the desired position to make it easy to search for that position.

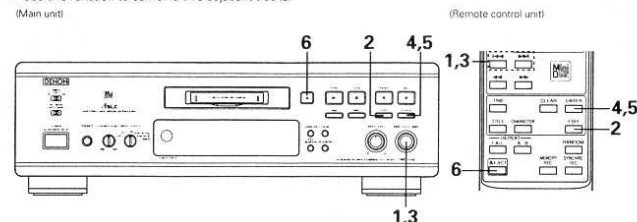


## (3) Combining tracks



### [Combining two adjacent tracks]

- Use this function to combine two adjacent tracks.



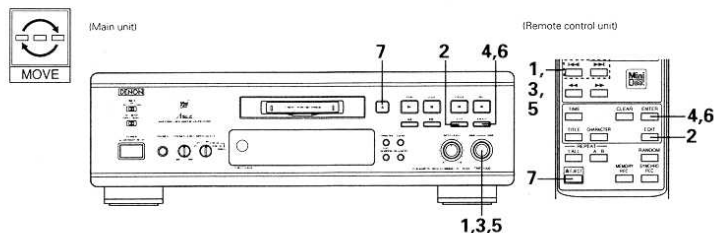
1	Press the PAUSE button at the position at which you want to divide the track.
2	Press the EDIT button. • "Edit Mode" is displayed.
3	Either turn the jog dial on the main unit or press one of the automatic search buttons ( I◀ and ▶I ) on the remote control unit. • Display "Divide?".
4	Press the ENTER button. • The position at which the track is to be divided is played and "Position OK?" is displayed. • The section at which the tracks have been combined is played repeatedly for several seconds.
5	To fine-adjust the divide position, turn the jog dial on the main unit or use the automatic search buttons ( I◀ and ▶I ) on the remote control unit to move the position. • "Position ± [point number]" is displayed. • Fine-adjustment is possible within the range of -255 to +255 points. (1 point equals approximately 0.012 seconds.)
6	Press the ENTER button to divide the track. • "Complete" is displayed.
7	Press the EJECT button ( ▲ ). • The TOC data is written and the disc is ejected. • When TOC writing starts, the " [TOC] " indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc. • The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.
<ul style="list-style-type: none"> <li>• If a titled track is divided, both parts will have the same title.</li> <li>• To put a divided track back together, see "(3) Combining tracks" on Page 19.</li> <li>• To cancel the dividing procedure, press the STOP or CLEAR button before step 6 above.</li> </ul>	

1	In the stop mode, display the number of the second of the adjacent tracks. • Either turn the jog dial on the main unit or use the automatic search buttons ( I◀ and ▶I ) on the remote control unit to display the number of the second track.
2	Press the EDIT button. • "Edit Mode" is displayed.
3	Either turn the jog dial on the main unit or press one of the automatic search buttons ( I◀ and ▶I ) on the remote control unit. • Display "Combine?".
4	Press the ENTER button. • The tracks to be combined are played and "Combine OK?" is displayed. • The section at which the tracks have been combined is played repeatedly for several seconds.
5	Press the ENTER button to combine the tracks. • "Complete" is displayed.
6	Press the EJECT button ( ▲ ). • The TOC data is written and the disc is ejected. • When TOC writing starts, the " [TOC] " indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc. • The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.
<ul style="list-style-type: none"> <li>• To divide tracks that have been combined, see "(2) Dividing tracks" on Page 19.</li> <li>• Tracks can also be combined in the same way during the play or pause modes by pressing the EDIT button. In this case, the track at which the pause mode is set is combined with the track before it.</li> <li>• The title of the combined track is the title of the first of the two tracks. If the first track has no title, the title of the second track is used.</li> <li>• To cancel the combining procedure, press the STOP or CLEAR button before step 5 above.</li> </ul>	

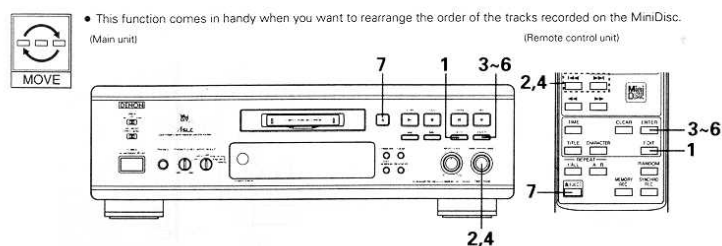
### NOTES:

- Tracks recorded from CDs or MiniDiscs using the digital inputs cannot be combined with tracks recorded using the analog inputs.
- It is not possible to combine a track recorded in stereo with a track recorded in monaural.
- It may not be possible to combine short tracks less than 15 seconds long.

#### (4) Moving tracks



#### (5) Rearranging the tracks in programmed order



1	In the stop mode, display the number of the track to be moved. • Either turn the jog dial on the main unit or use the automatic search buttons ( <b>◀◀</b> and <b>▶▶</b> ) on the remote control unit to display the number of the track to be moved.
2	Press the EDIT button. • "Edit Mode" is displayed.
3	Either turn the jog dial on the main unit or press one of the automatic search buttons ( <b>◀◀</b> and <b>▶▶</b> ) on the remote control unit. • Display "Move?".
4	Press the ENTER button. • Display "OOTr Move OOTr".
5	Either turn the jog dial on the main unit or use the automatic search buttons ( <b>◀◀</b> and <b>▶▶</b> ) on the remote control unit to specify the number to which the track is to be moved.
6	Press the ENTER button to move the track. • "Complete" is displayed.
7	Press the EJECT button ( <b>▲</b> ). • The TOC data is written and the disc is ejected. • When TOC writing starts, the " <b>TOC</b> " indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc. • The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

• To cancel the moving procedure, press the STOP or CLEAR button before step 6 above.

1	In the stop mode, press the EDIT button. • "Edit Mode" is displayed.
2	Either turn the jog dial on the main unit or press one of the automatic search buttons ( <b>◀◀</b> and <b>▶▶</b> ) on the remote control unit. • Display "Program Move?".
3	Press the ENTER button. • "New 01Tr<- -Tr" is displayed, and the mode for programming a new track as the first track is set.
4	Turn the jog dial on the main unit or use the automatic search buttons ( <b>◀◀</b> and <b>▶▶</b> ) or the number buttons on the remote control unit then press the ENTER button to program the track to be moved. • For example, to make the track which is currently third the first track, specify "3". "New 01Tr< 03Tr" is displayed. When the ENTER button is pressed, the mode for setting the next track is set and "New 02Tr<- -Tr" is displayed. • To continue programming more tracks, repeat steps 3 and 4.
5	Press the ENTER button. • To enter the settings programmed in steps 3 and 4, press the ENTER button while "New OOTr<- -Tr" is displayed.
6	Press the ENTER button while "Prog. Move OK?" is displayed to enter the new program. • "Complete" is displayed.
7	Press the EJECT button ( <b>▲</b> ). • The TOC data is written and the disc is ejected. • When TOC writing starts, the " <b>TOC</b> " indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc. • The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

- Up to 25 tracks can be specified.
- Press the CLEAR button at step 5 to clear the track number which was last programmed.
- Press the CALL button at step 6 to check the contents of the program.
- To cancel the moving procedure, press the STOP or CLEAR button before step 6 above.

#### NOTES:

- Tracks which have not been programmed are placed after the programmed tracks.
- It is not possible to program the same track twice.



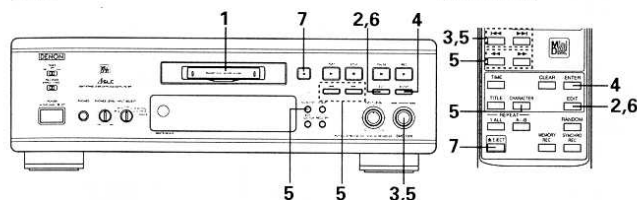
## 2. Adding titles

★ Up to 100 characters can be input for the track and disc titles.

### (1) Adding disc titles

(Main unit)

(Remote control unit)

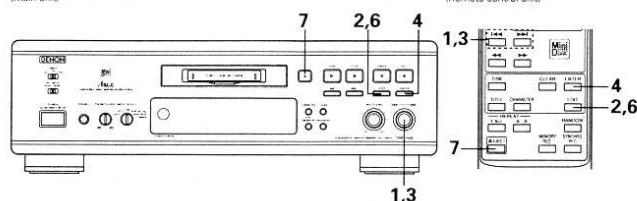


- 7 Press the EJECT button (▲).
- The TOC data is written and the disc is ejected.
  - When TOC writing starts, the " [TOC] " indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
  - The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.
- To erase a character, move the cursor to that character then press the CLEAR button.
  - To correct a character, first erase it, then input the correct character.

### (2) Adding track titles

(Main unit)

(Remote control unit)



- In the stop mode, either turn the jog dial on the main unit or use the automatic search buttons (◀◀ and ▶▶) on the remote control unit to display the track number.
  - Press the EDIT button.
    - "Edit Mode" is displayed.
    - In the play, pause or recording modes, press the EDIT button to give a title to the current track.
  - Either turn the jog dial on the main unit or use the automatic search buttons (◀◀ and ▶▶) on the remote control unit to display "Track Name In?".
  - Press the ENTER button.
    - The cursor flashes, indicating the title input standby mode.
  - Input the title.
    - For instructions on inputting titles, see step 5 under "Adding disc titles" on Page 21.
  - Press the EDIT button to enter the input track title.
- Press the EJECT button (▲).
- The TOC data is written and the disc is ejected.
  - When TOC writing starts, the " [TOC] " indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc.
  - The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.
- In the play or recording mode, finish adding the title before the track ends. If the track changes, the characters that have been input up to that point are no longer valid.
  - Characters input in the recording pause mode are cleared when the STOP button is pressed.

#### NOTES:

- Up to 100 characters can be input for the track and disc titles. "Name Full" is displayed if you attempt to input a 101st character.
- If the title operation is performed with a disc containing titles with over 100 characters input on another MiniDisc recorded, the characters over the 100th character are erased.
- A total of approximately 1700 characters can be input for all disc and track titles. "Name Full" is displayed if you attempt to input more characters.

- Load the disc to which you want to give a title.
- In the stop mode, press the EDIT button.
  - "Edit Mode" is displayed.
- Either turn the jog dial on the main unit or use the automatic search buttons (◀◀ and ▶▶) on the remote control unit to display "Disc Name In?".
- Press the ENTER button.
  - The cursor flashes, indicating the title input standby mode.
- Input the title.
  - Either turn the jog dial on the main unit or use the automatic search buttons (◀◀ and ▶▶) on the remote control unit to select the desired character.
  - Some characters that can be input on the DMD-1000 cannot be displayed on other models.
  - The shape of the cursor changes each time the CHARACTER button is pressed.

[Explanation of cursor:]

..... Capital letter/number input mode

..... Special character input mode

..... Small letter/number input mode

[Available characters and numbers]

Capital letter/number input mode:  
ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789

Small letter/number input mode:  
abcdefghijklmnopqrstuvwxyz0123456789

Special character input mode:  
Space ! " # \$ % & ' ( ) \* + , - . / : ; < = > ? @ [ \ ] ^ \_ { | } ~

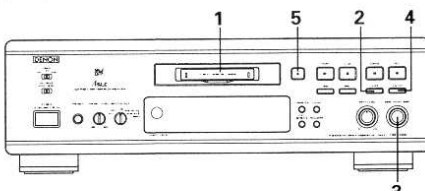
  - When the manual search forward button (▶▶) or the ENTER button is pressed, the selected character is set, and the unit is set to the input standby mode for the next character.
  - The cursor can be moved back by pressing the manual search reverse button (◀◀). Use this to correct input characters.
- Press the EDIT button to enter the input title.
  - The set disc title scrolls on the display.

3. Erasing titles

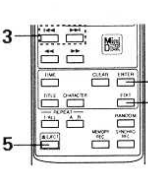
★ Use this function to change or erase track and disc titles.

(1) Erasing disc titles

(Main unit)



(Remote control unit)

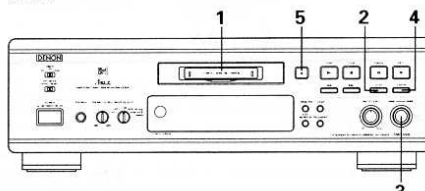


1	Insert the MiniDisc whose title you want to erase into the disc insertion slot.
2	Press the EDIT button in the stop mode while the total number of tracks is displayed. • "Edit Mode" is displayed.
3	Either turn the jog dial on the main unit or press one of the automatic search buttons ( ◀◀ and ▶▶ ) on the remote control unit. • Display "D. Name Erase?".
4	Press the ENTER button to erase the disc name. • "Complete" is displayed.
5	Press the EJECT button ( ▲ ). • The TOC data is written and the disc is ejected. • When TOC writing starts, the " [TOC] " indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc. • The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

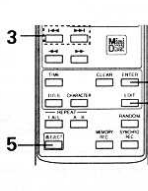
4	Press the ENTER button to erase the track name. • "Complete" is displayed.
5	Press the EJECT button ( ▲ ). • The TOC data is written and the disc is ejected. • When TOC writing starts, the " [TOC] " indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc. • The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

(3) Erasing all the track titles and the disc title

(Main unit)



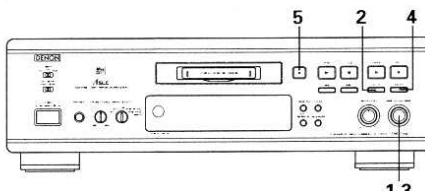
(Remote control unit)



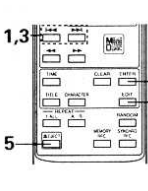
1	Insert the MiniDisc whose disc and track titles you want to erase into the disc insertion slot.
2	Press the EDIT button in the stop mode while the total number of tracks is displayed. • "Edit Mode" is displayed.
3	Either turn the jog dial on the main unit or press one of the automatic search buttons ( ◀◀ and ▶▶ ) on the remote control unit. • Display "A. Name Erase?".
4	Press the ENTER button to erase all the track titles and the disc title. • "Complete" is displayed.
5	Press the EJECT button ( ▲ ). • The TOC data is written and the disc is ejected. • When TOC writing starts, the " [TOC] " indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc. • The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.

(2) Erasing track titles

(Main unit)



(Remote control unit)

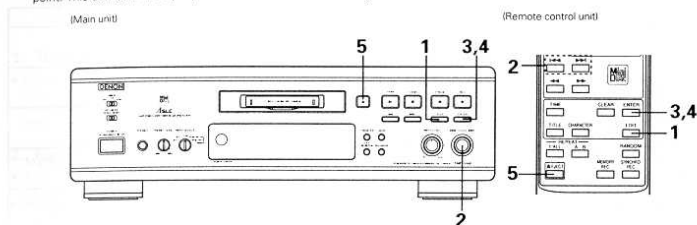


1	Turn the jog dial on the main unit or use the automatic search buttons ( ◀◀ and ▶▶ ) on the remote control unit to display the number of the track whose title you want to erase.
2	Press the EDIT button in the stop mode while the number of the track whose title you want to erase is displayed. • "Edit Mode" is displayed.
3	Either turn the jog dial on the main unit or press one of the automatic search buttons ( ◀◀ and ▶▶ ) on the remote control unit. • Display "Tr. Name Erase?".

#### 4. Undoing the last editing operation

#### Undo Function

- ★ With this function you can undo the editing operation last performed and reset the settings to as they were one step before that point. This comes in handy if you make a mistake when editing.

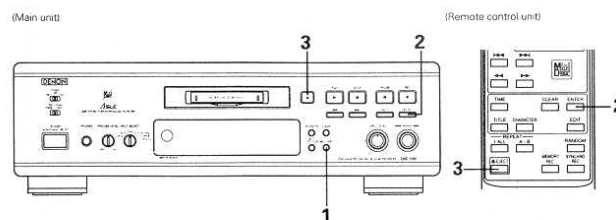


1	In the stop mode, press the EDIT button. • "Edit Mode" is displayed.
2	Either turn the jog dial on the main unit or press one of the automatic search buttons (◀▶ and ▶▶) on the remote control unit. • Display "Undo?". • "Undo?" is not displayed if no editing operation has been performed or if the undo operation is not possible. • The undo function cannot be used in the following cases: • Once the TOC data has been rewritten • Once you have recorded or edited something new • After a power failure • After the undo operation has been used once • When a title has been input in a mode other than the stop mode • When the disc recovery function has been used
3	Press the ENTER button. • One of the following messages appears, depending on the type of editing operation last performed: • When a track or disc title has been input or changed → "Name Undo?" • When a track title, disc title, a single track, all tracks or part of a track has been erased → "Erase Undo?" • When a track has been divided → "Divide Undo?" • When tracks have been combined → "Combine Undo?" • When the move or program move function has been used → "Move Undo?"
4	Press the ENTER button to clear the editing. • "Complete" is displayed.
5	Press the EJECT button (▲). • The TOC data is written and the disc is ejected. • When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc. • The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.
<p>• To set back to the previous setting, press the CLEAR button.</p> <p>• To cancel the undo operation, press the stop (■ STOP) or CLEAR button before step 4.</p>	

#### 5. Reorganizing the MiniDisc's TOC data

#### Disc Recovery Function

- ★ When recording or editing has been performed repeatedly, the recordable time may be shorter than the MiniDisc's maximum recording time. If this happens, the contents data (TOC) can be partially reorganize to recover some of lost space.



1	In the stop mode, press the RECOVERY button. • "D. Recovery OK" is displayed.
2	Press the ENTER button. • "Complete" is displayed.
3	Press the EJECT button (▲). • The TOC data is written and the disc is ejected. • When TOC writing starts, the "TOC" indicator flashes. Do not shake the main unit, press the main unit's POWER button or unplug the power cord while the TOC is being written. If the data is not recorded properly, it will not be possible to play the disc. • The TOC data can also be written by setting the power to the standby mode by pressing the power button on the remote control unit.
<p>• The disc recovery function is activated automatically when the single track erase or A-B erase editing operation is performed.</p>	
<p><b>NOTES:</b></p> <p>• Due to MiniDisc limitations, the recordable time may not increase with some MiniDiscs.</p> <p>• This function reorganizes the contents data (TOC). It does not rewrite the audio data.</p>	



13 USING THE EXTERNAL INPUT MONITOR

★ This function lets you monitor the external input data being input to the different input jacks using the output jacks.

(Main unit)

(Remote control unit)

1

Press the EJECT button to eject the MiniDisc or press the STOP button to stop playback.

2

Select the input signal to be monitored using the input selector switch.

3

Press the EXT. MONITOR button.

- "Ext. Monitor" is displayed and the selected input signal is output to the output jacks.
- "Ext. 000 kHz" is displayed when a digital input signal is selected, and "Ext. Analog" is displayed when an analog input signal is selected. ("000 kHz" indicates the sampling frequency of the digital input signal.)
- If a digital input signal is selected, "Ext. Monitor" is displayed and the "0 N" is flashing, the digital input signal is not locked. In this case, check the connections, referring to "Connections" on Page 5.

- To stop the external input monitor, press the external input monitor button (EXT. MONITOR) again. The external input monitor is also stopped when playback is started or another operation is performed.

14 MESSAGES

Messages may appear on the display while using the DMD-1000. The meanings of these messages are explained below.

Message	Meaning
TOC Reading	TOC is being read.
Blank Disc	Nothing is recorded on the loaded disc.
Complete	Editing is completed.
Copy Prohibit	The SCMS (Serial Copy Management System) prohibits digital copying of that source.
Digital Unlock	During digital recording, this indicates that signals are not being input properly due to incomplete connection of the digital input jacks, etc.
Disc Err *	Disc is scratched. No TOC is written on the MiniDisc or the data is defective.
Disc Full	There is no remaining time on the disc. There are already 285 tracks on the disc.
Impossible	This indicates that the editing operation is not possible.
No Name	This means that no title has been input.
No Track	The disc has a title but no tracks on it.
Playback Only	This appears when you try to record or edit on a disc for playback only.
Protected	The disc is protected against accidental erasure.
Name Full	100 characters have already been input for the disc or track title. Approx. 1700 characters have already been input for the disc and track titles.
TrackProtected	This track cannot be edited.
Disc ?	Data is defective. MiniDisc does not conform to standards.
TOC Err *	Disc is scratched. TOC data cannot be read. MiniDisc does not conform to standards.
Can't REC	Proper recording was not possible due to shocks or scratched disc.
Temp Over	Temperature is too high.
Defect	Recording is interrupted due to scratched disc.
Mech Err *	MiniDisc is not functioning properly.
Not Audio	Non-audio data is recorded on the disc.
UTOC W Err	Proper TOC data could not be created due to scratched disc.
UTOC Err *	TOC data recorded on the disc is not to MiniDisc standards or cannot be read.
Focus Err	Disc is scratched. Player is being used in a shaky, unstable place.

(\* \*) indicates a letter or character.)



## 15 SYSTEM LIMITATIONS

The recording method used on MiniDisc (MD) systems is different from conventional recording methods. Because of this, there are several system limitations.  
Note that the following are not malfunctions.

### 1. Track number limitations

- Up to 255 tracks can be recorded on blank discs or discs with no tracks on them when the tracks are recorded in order starting from track 1. If a disc has been edited repeatedly, however, it may not be possible to record 255 tracks on the disc.
- If there is emphasis data or other signals between tracks during digital recording, this will be treated as a break within the track (the track number will not change), and recording may not be possible, regardless of the recording time or number of tracks.

### 2. Recording limitations

- If 255 tracks are already recorded on the disc, no further recording is possible, even if the recorded time is less than the maximum recordable time.
- Recording is performed in units of about 2 seconds. About 2 seconds of disc space is used even if the section is less than 2 seconds long. Thus, the actual recordable time becomes shorter.
- If there are scratches on the disc, recording is not possible in the scratched sections, and the recordable time decreases accordingly. ("Defect" is displayed during recording and the number of tracks on the MiniDisc is automatically increased.)
- When digitally recording CDs, depending on the recording on the CD blank sections of several seconds may be created and the number of tracks may differ from the number on the original CD.
- When the analog A.T.M. function is on and track numbers are added automatically, the track numbers may not be added properly, depending on the original recording.
- In some cases, the remaining time may not decrease when short tracks are erased. This is because sections of 12 seconds and less are ignored when displaying the remaining time on the MD.

### 3. Editing limitations

- In some cases it is not possible to combine short tracks created through editing.
- There may be breaks in the sound during manual search on MiniDiscs which have been recorded or edited repeatedly.

## 16 TROUBLESHOOTING

Check the following before assuming there is a problem with the set.

- Are connections proper?
- Are you operating as described in these operating instructions?
- Be sure to check that the main power switch on the rear panel is turned on.

If the set does not seem to be operating properly, check the items listed on the table below.

If the cause of the problem cannot be found, the set may be malfunctioning. Immediately turn off the power and unplug the power cord. Then contact your store of purchase or your nearest DENON dealer.

Problem	Cause	Measure	Page
Set does not operate.	<ul style="list-style-type: none"> <li>No disc is loaded.</li> <li>Disc is damaged or dirty.</li> </ul>	<ul style="list-style-type: none"> <li>Load a disc.</li> <li>Replace with another disc.</li> </ul>	8
Disc does not play.	<ul style="list-style-type: none"> <li>Connections are wrong.</li> <li>Nothing is recorded on the disc. ("Blank Disc" or "No Track" is displayed.)</li> </ul>	<ul style="list-style-type: none"> <li>Check the connections.</li> <li>Replace with a recorded disc.</li> </ul>	5 24
Recording is not possible.	<ul style="list-style-type: none"> <li>Disc is protected. ("Protected" is displayed.)</li> <li>There is no remaining time on the disc. ("Disc Full" is displayed.)</li> <li>255 tracks are already recorded on the disc. ("Disc Full" is displayed.)</li> <li>You are attempting to digitally record a digitally recorded source. (See the description of the SCMS system.) ("Copy Prohibit" is displayed.)</li> <li>The input selector (INPUT SELECT) is not set properly.</li> <li>The INPUT LEVEL control is turned down.</li> </ul>	<ul style="list-style-type: none"> <li>Move the disc's accidental erasure protection tab to cover the hole.</li> <li>Replace the disc. If there are any sections you do not need, erase them to increase the recording time.</li> <li>Replace the disc. If there are any tracks you do not need, erase them to increase the recording time.</li> <li>Use analog recording.</li> <li>Check the recording input mode.</li> <li>Adjust the INPUT LEVEL control (for analog recording only).</li> </ul>	4, 24 24 24 12, 24 12 12

## 17 MAIN SPECIFICATIONS

Type:	MiniDisc digital audio system
Wow & flutter:	Below measurable limits ( $\pm 0.001\%$ W, peak or less)
Sampling frequency:	44.1 kHz
Recording method:	Magnetic modulation overwriting
Light source:	Semiconductor
Signal-to-noise Ratio:	105 dB
Dynamic Range:	96 dB
Power supply:	AC 230 V, 50 Hz
Power consumption:	20 W
Maximum external dimensions:	434 (width) $\times$ 134 (height) $\times$ 340 (depth) mm (including feet, controls and terminals)
Weight:	6.4 kg
Remote control unit:	RC-270
Remote control method:	Infrared pulse
No. buttons:	34
Power supply:	DC 3V using two R6P (AA) batteries
Maximum external dimensions:	60 (width) $\times$ 177 (height) $\times$ 18 (depth) mm
Weight:	100 g (including batteries)

- For improvement purposes, specifications and design are subject to change without notice.

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